



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Lloyd Industries, Inc.
231 Commerce Drive
Montgomeryville, PA 18936

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 4SRF and 4SRCF Aluminum Louvers

APPROVAL DOCUMENT: Drawing No. 4SRF-4SRCF, titled "Model 4-SRF/4-SRCF Louver", sheets 1 through 4 of 4, dated 08/12/2013, prepared by the manufacturer, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Orange Park, FL, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 13-0207.04 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
10/15/2015

NOA No. 15-0818.13
Expiration Date: March 6, 2019
Approval Date: October 22, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **4SRF-4SRCF**, titled "Model 4-SRF/4-SRCF Louver", sheets 1 through 4 of 4, dated 08/12/2013, prepared by the manufacturer, signed and sealed by Richard Boyette, P.E.

B. TESTS *"Submitted under NOA # 13-0207.04"*

1. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a 4-SRCF louver, prepared by Architectural Testing Inc., Test Report No. **C1142.01-109-18**, dated 01/15/2013, signed and sealed by Michael D. Stremmel, P.E.

C. CALCULATIONS

1. Anchors calculations issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 13-0207.04"
2. Anchors calculations issued Richard Boyette, P.E., dated 10/06/2013 and 01/09/2014, signed and sealed by Richard Boyette, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

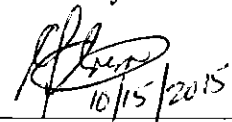
E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E.
2. Statement letter of no financial interest issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 13-0207.04"
3. Statement letter of code conformance to 2010 FBC, dated 10/06/2013, issued, signed and sealed by Richard Boyette, P.E.
4. No financial interest letter dated 10/06/2013, issued, signed and sealed by Richard Boyette, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0818.13

Expiration Date: March 6, 2019
Approval Date: October 22, 2015

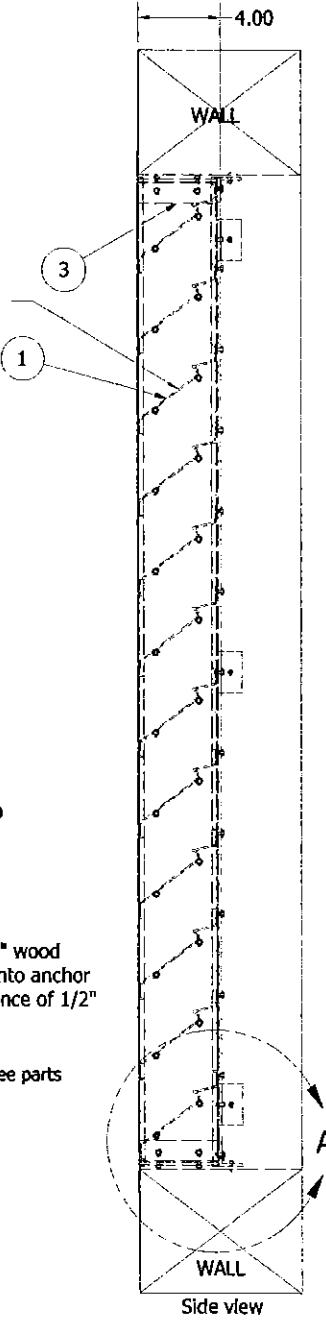
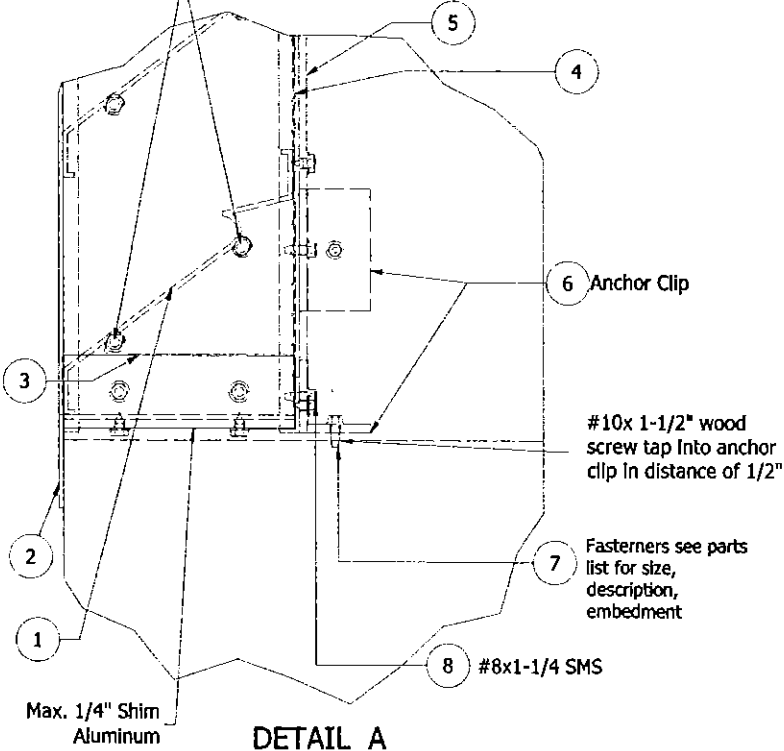
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	11	Blade	0.075" Alloy Aluminum 6061 - T6 Extrusion (Max. QTY: 11)
2	2	Top and Sill	0.075" Alloy Aluminum 6061 - T6 Extrusion
3	2	Side Frame	0.075" Alloy Aluminum 6061 - T6 Extrusion
4	1	Screen	0.035" Thick Aluminum Wire
5	1	Back Plate	1" x 1/8" x 47-3/4" Alloy Aluminum 6061 - T6
6	12	Anchor Clip	1-3/16" x 1-3/16" x 2" x 1/8" Alloy Aluminum 6061 - T6
7	See Table	#10 x 1-3/4" Wood Screw	PT 2x Wood Buck, 2" Edge Dist., 1-1/2" MIN Embed, SG 0.55
		#10-16 Kwik-Flex SDS	MIN 18g Steel, 1" Edge Dist., Full PEN.
		1/4" x 2-1/2" Tapcon	Grout Filled CMU, MIN 1-1/2" Embed into Grout, 2" Edge Dist.
		1/4" x 2-3/4" Tapcon	MIN 2000 PSI Concrete, 1-1/2" Embed, 2" Edge Dist.
8	8-12	#8 x 1-1/4" SMS	

* ALL FASTENERS ARE STAINLESS STEEL

Design pressure ±100 PSF

Each louver blade is secured at each end with two #10 x 1" long hex head screws, through the jamb into the louver blade

(2) #10x1" HHS



FASTENER QUANTITIES

MAX INSIDE DIMENSION L x W	NO. FASTENERS - SUBSTRATE TYPE		
	WOOD	CONC.	STEEL
18"x18"	8	8	8
24"x24"	8	8	8
30"x30"	12	12	12
36"x36"	12	12	12
42"x42"	12	12	12
48"x48"	12	12	12

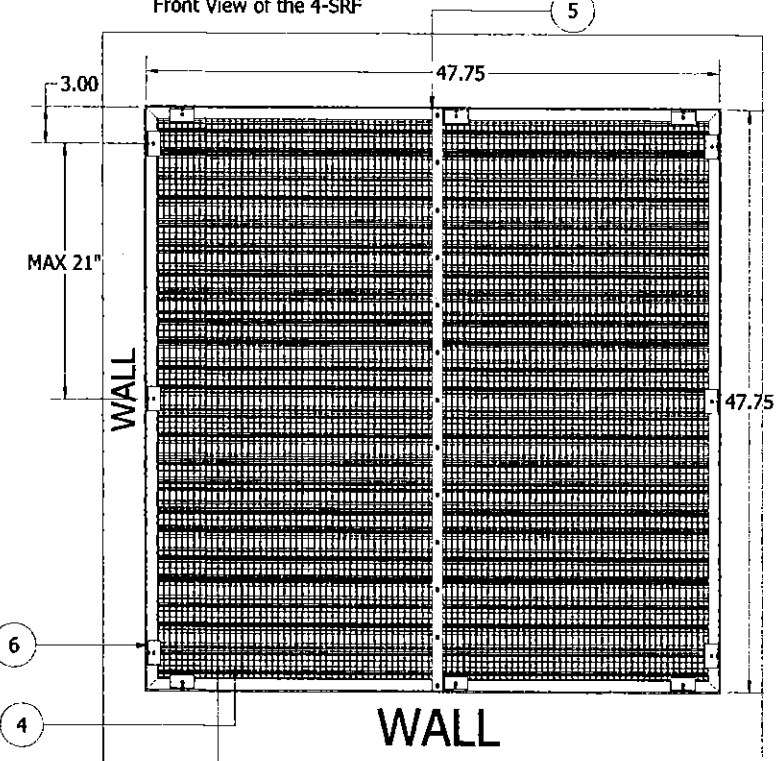
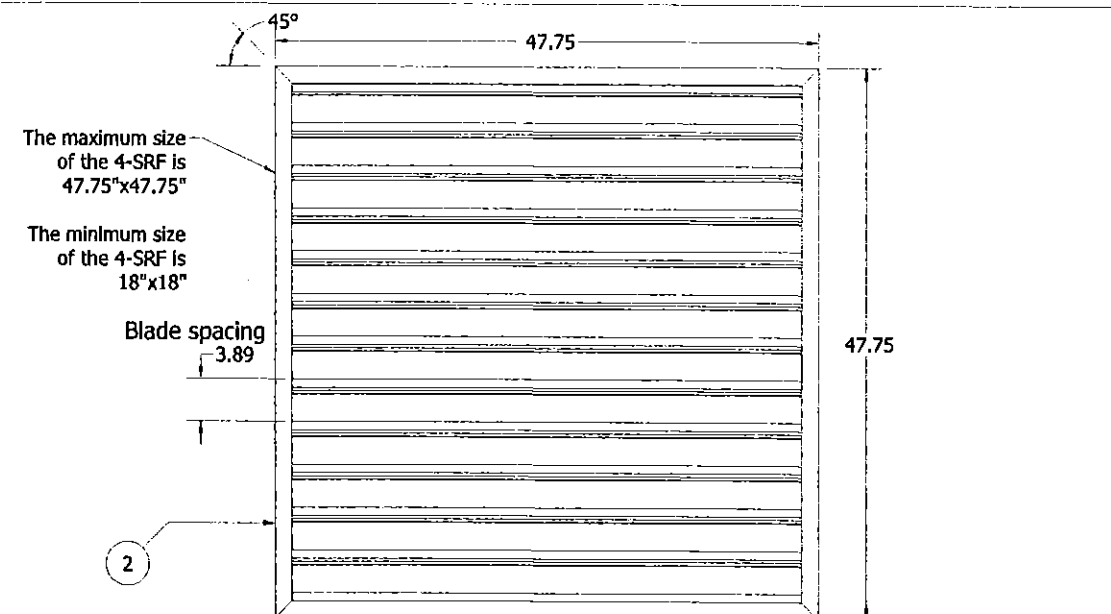
FASTENER SPACING: 3" FROM CORNERS
MAX 21" O.C.

The screen secures to the interior of the frame using snap-fit extruded aluminum stops and #10 x 3/4" long self-tapping hex head screws. The screws located at the head, sill and jambs and are located at each end and spaced 7" on center

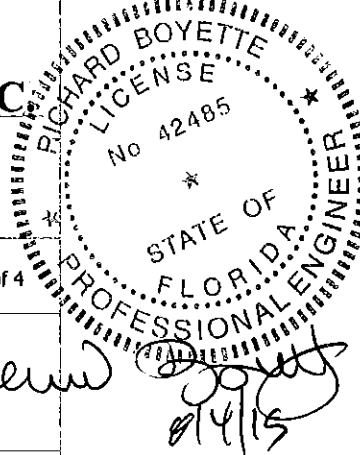
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0418.13
Expiration Date 03/06/2019
By [Signature]
Miami Trade Product Control

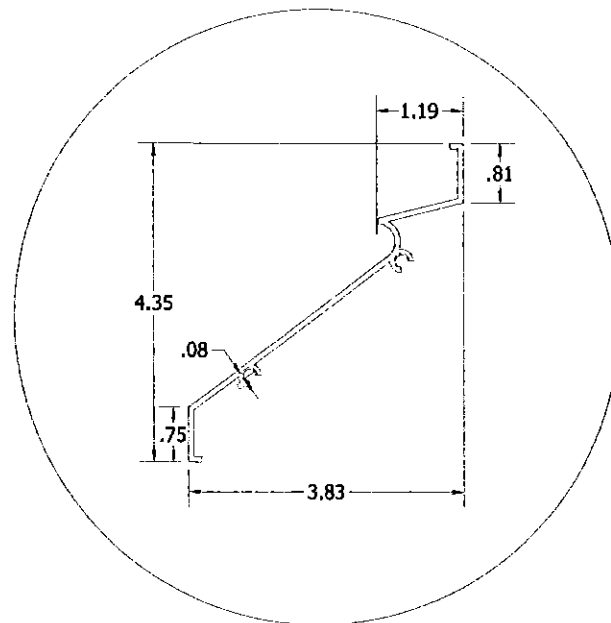
Richard Boyette
FL PE #42485
Rick Boyette Consulting Inc - CoA
#9707
4031 Coconut Blvd
Royal Palm Beach FL 33411
561-790-5766

DWG NO.	4SRF - 4SRCF	Sheet 1 of 4
TITLE	IMPACT RESISTANT LOUVER Model 4-SRF	
DRAFTER	DAVID LEI	DATE 8-12-2013

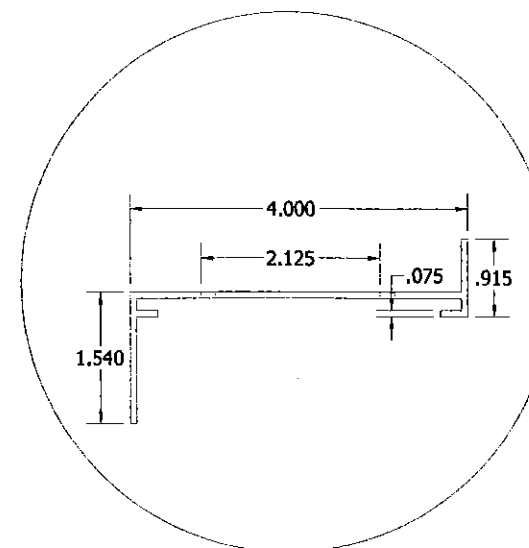


LLOYD INDUSTRIES INC.
231 Commerce Drive, Montgomeryville, PA. 18936
Ph: 215-412-4445 Fax: 215-412-4409
Email: lloydind@firedamper.com
www.firedamper.com

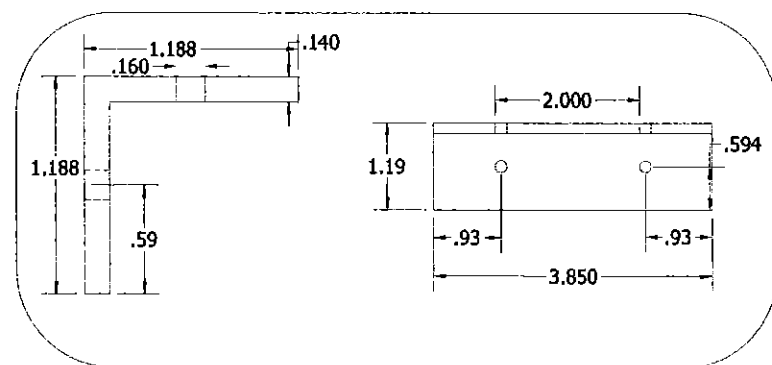




Detail Item 1



Detail Item 2



Detail Item 3

Note: These louvers have not been tested for water infiltration per TAS 100(A) (Wind Driven Rain Resistance Test). They are to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/water proof equipment, components, or supplies".

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Expiration Date 03/09/2017
By *[Signature]*
Miami Trade Product Control

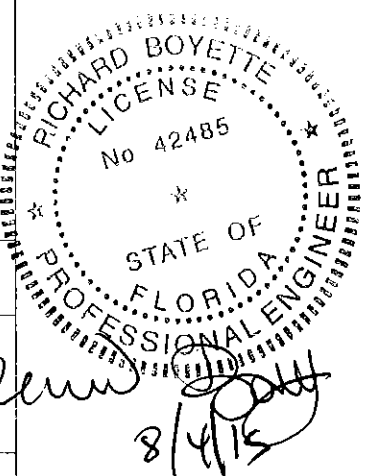
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Ph: 215-412-4445 Fax: 215-412-4409
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www.firedamper.com

DWG NO.	4SRF - 4SRCF	Sheet 2 of 4
TITLE	IMPACT RESISTANT LOUVER Model 4-SRF	
DRAFTER	DAVID LEI	DATE 8-12-2013

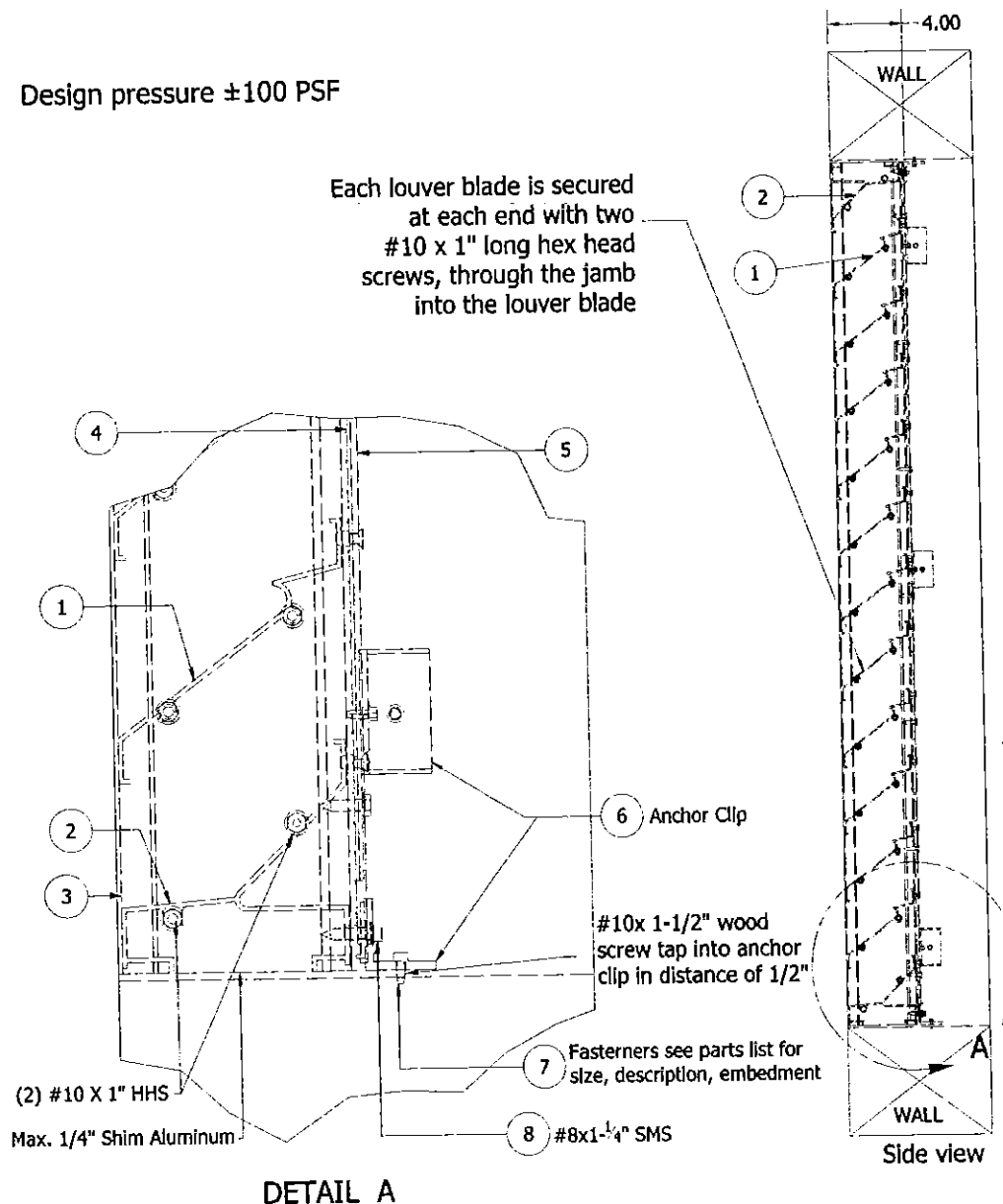


ITEM	QTY	PART	DESCRIPTION
1	11	Blade	0.075" Alloy Aluminum 6061 - T6 Extrusion (Max. QTY: 11)
2	2	Top and Sill	0.075" Alloy Aluminum 6061 - T6 Extrusion
3	2	Side Frame	0.075" Alloy Aluminum 6061 - T6 Extrusion
4	1	Screen	0.035" Thick Aluminum Wire
5	1	Back Plate	1" x 1/8" x 47-3/4" Alloy Aluminum 6061 - T6
6	12	Anchor Clip	1-3/16" x 1-3/16" x 2" x 1/8" Alloy Aluminum 6061 - T6
7	See Table	#10 x 1-3/4" Wood Screw #10-16 Kwik-Flex SDS 1/4" x 2-1/2" Tapcon 1/4" x 1-3/4" Tapcon	PT 2x Wood Buck, 2" Edge Dist., 1-1/2" MIN Embed, SG 0.55 MIN 18g Steel, 1" Edge Dist., Full PEN. Grout Filled CMU, 1-1/2" Embed Into Grout, 2" Edge Dist. MIN 2000 PSI Concrete, 1-1/2" Embed, 2" Edge Dist.
8	8-12	#8 x 1-1/4" SMS	

* ALL FASTENERS ARE STAINLESS STEEL

Design pressure ± 100 PSF

Each louver blade is secured at each end with two #10 x 1" long hex head screws, through the jamb into the louver blade



FASTENER QUANTITIES

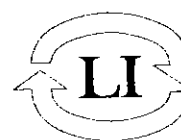
MAX INSIDE DIMENSION L x W	NO. FASTENERS - SUBSTRATE TYPE		
	WOOD	CONC.	STEEL
18"x18"	8	8	8
24"x24"	8	8	8
30"x30"	12	12	12
36"x36"	12	12	12
42"x42"	12	12	12
48"x48"	12	12	12

FASTENER SPACING: 3" FROM CORNERS
MAX 21" O.C.

The screen secures to the interior of the frame using snap-fit extruded aluminum stops and #10 x 3/4" long self-tapping hex head screws. The screws located at the head, sill and jambs and are located at each end and spaced 7" on center

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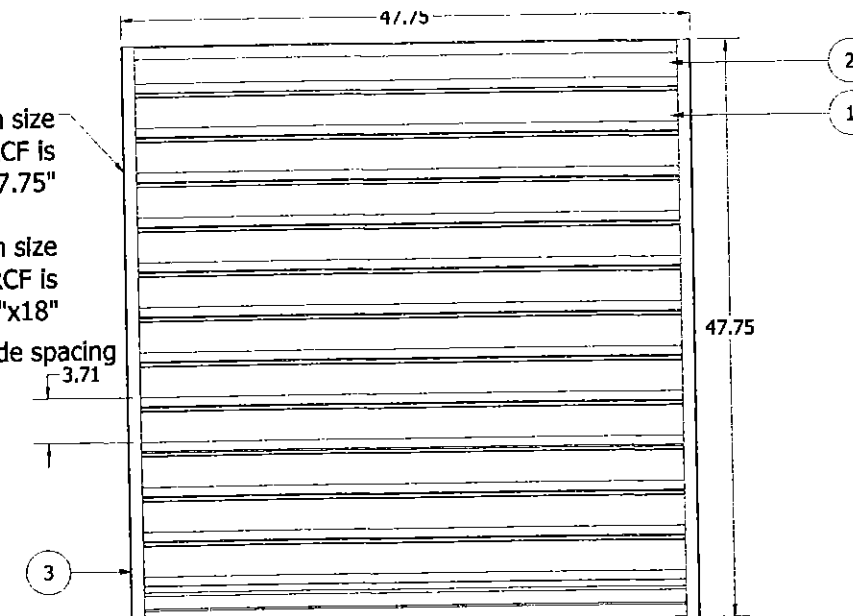
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DWG NO.	4SRF - 4SRCF	Sheet 3 of 4
TITLE	IMPACT RESISTANT CHANNEL FRAME LOUVER Model 4-SRCF	
DRAFTER	DAVID LEI	DATE 8-12-2013

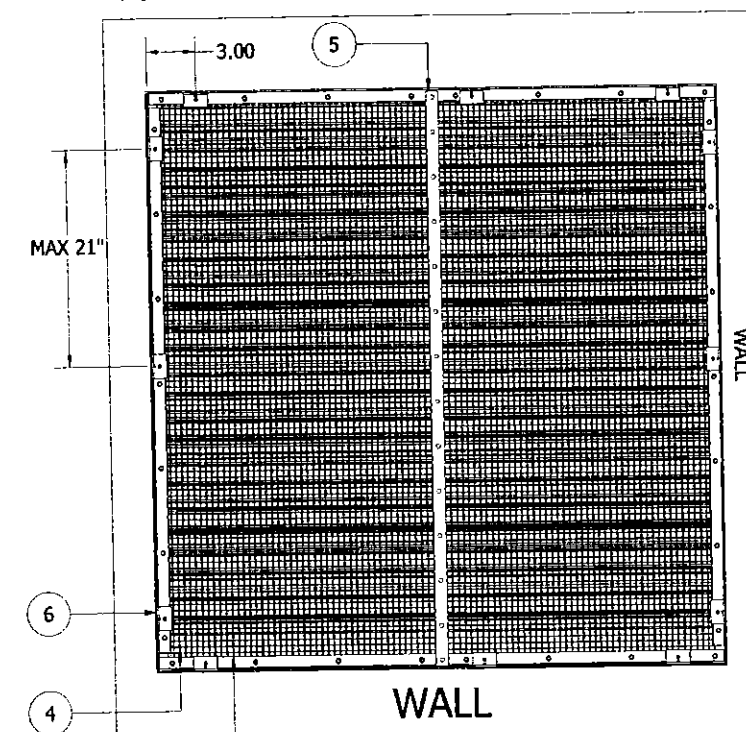
The maximum size of the 4-SRCF is 47.75"x47.75"

The minimum size of the 4-SRCF is 18"x18"

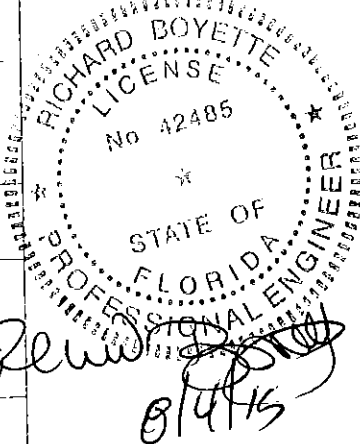
Blade spacing 3.71

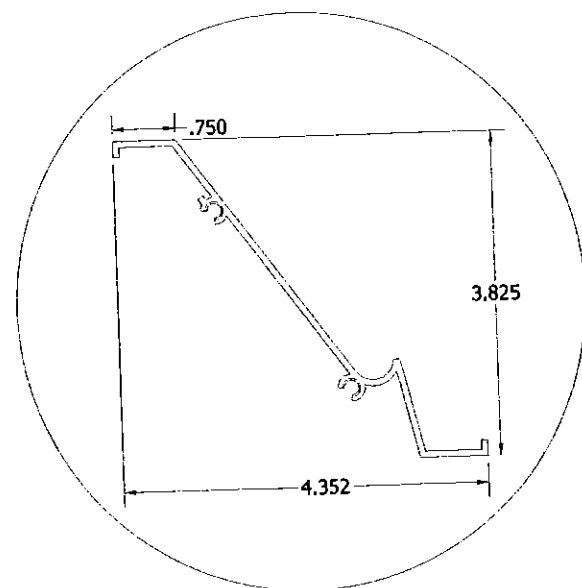


Front view of the 4-SRCF

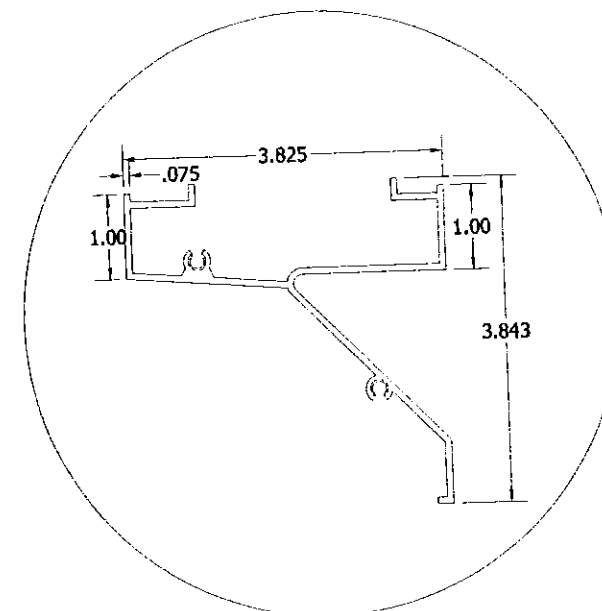


Back view of the 4-SRCF installs into the wall

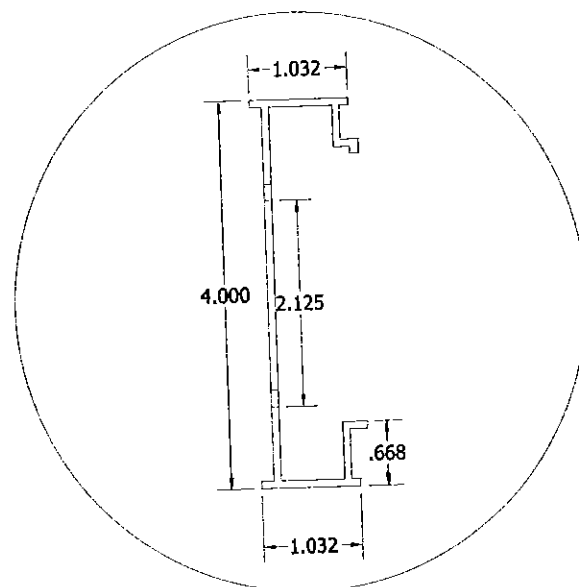




Detail Item 1

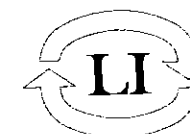


Detail Item 2



Detail Item 3

Note: These louvers have not been tested for water infiltration per TAS 100(A) (Wind Driven Rain Resistance Test). They are to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room



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Expiration Date 03/04/2019

By *[Signature]*
Miami Trade Product Control

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DWG NO.

4SRF - 4SRCF

Sheet 4 of 4

TITLE

IMPACT RESISTANT CHANNEL FRAME LOUVER
Model 4-SRCF

